



Wireless LAN



Product Brief Rugged Wireless LAN Serial Port Adapter 311gs

The RUGGED WIRELESS LAN SERIAL PORT ADAPTER™ 311gs is a complete wireless serial cable replacement Wireless LAN product. With its IP65-classed housing it is built for tough, demanding environments and can be installed directly in the customer's factory without any additional housing.

Key Features

- IP65-classed rugged metal housing
- RS232/422/485 interface
- 802.11b+g (54 Mbit/s) Wireless LAN version
- Long Range (20 dBm)
- Designed for high performance/throughput
- AT Command support
- Wireless Multidrop™ with up to 7 slaves
- Configuration over Wireless LAN
- WEP WPA WPA2 security software features
- Radio Type Approved for Europe, US and Canada
- Compliant with EMC, Safety and Medical standards
- Lead Free and RoHS compliant
- Only high quality components used
- External antenna with Reversed Polarity SMA connector
- Industrial and Automotive temperature range -30 - +85°C
- Individually tested and tuned in production
- Custom factory configuration possible

Technical Data

SPECIFICATIONS

Wireless LAN Support

802.11 specification

Security: Supports WEP, WPA and WPA2

PHY/MAC

802.11b and 802.11g

Extended rate protection

Regulatory domain support

Power save control

Defragmentation

Infrastructure modes

BSS

IBSS

Security

WEP64

WEP128

WPA-PSK

WPA2-PSK

TKIP

CCMP (AES)

LEAP

Software

All software including TCP/IP stack is included in the module

Configurable locally or over Wireless LAN using

AT commands or Windows Software

Serial Interface

RS232/422/485

Supported baud rates: 300 – 921.6k

Support for non-standard baud rates

Flow control: CTS/RTS or none

Housing

IP65-classed rugged aluminium box

Mounting brackets

Connectors

Male 9-pin Dsub for serial interface

Binder 712 rugged plug for power supply

Power Supply

8-30 VDC

Current Consumption

Min:TBD

Max: TBD

Dimension/Size

75.5 x 84.6 x 34.6 mm

Type Approval

R&TTE (Europe)

FCC/CFR 47 part 15 unlicensed modular transmitter approval

IC (Industrie Canada)

Environmental

Maximum operating temperature: -30 - +85 °C

Storage temperature: -40 - +85°C

Humidity RH 5-90% non-condensing

Shock and vibration: IEC 61131-2

Certifications and Compliance

R&TTE Directive 1999/5/EC

EN 300 328 V1.6.1 (2004-11)

EMC Directive: 89/336/EEC

EN 301 489-1 V1.4.1 (2002-08)

EN 301 489-17 V1.2.1 (2002-08)

EN 61000-6-2 (2001)

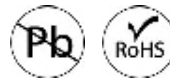
Safety Compliance

EN 60950-1:2001 and/or IEC 60950-1:2001 (1st Edition)

EN 60950-1/A11:2004 + Corrigendum:2004

Medical Electrical Equipment

IEC 60601-1-2 (2001)



Order Number

cB-RWSPA311gs-01

Rugged Wireless LAN Serial Port Adapter 311gs Complete Kit

Includes: RWSPA311gs-03 (External Antenna with 9-pin Dsub connector), RS-232 Cable, Binder 712 connector, mounting brackets, 10cm stub antenna, CD with Configuration Software

cB-RWSPA311gs-03

Rugged Wireless LAN Serial Port Adapter 311gs External Antenna with 9-pin Dsub connector including 10cm stub antenna

DISTRIBUTORS NEAR YOU

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